

## **ABSTRACT OF THE DISCLOSURE**

An optical apparatus is provided with a zoom optical system. The zoom optical system includes a lens unit located at the most object-side position and a moving lens unit with positive refracting power, located on the image side of the lens unit.  
5 The lens unit includes a single positive lens and the moving lens unit is simply moved toward the object side when the magnification of the zoom lens is changed in the range from a wide-angle position to a telephoto position so as to satisfy the following condition:

$$0.8 < y_{07} / (f_w \cdot \tan \omega_{07w}) < 0.96$$

10 where  $f_w$  is the focal length of the entire system of the zoom lens at the wide-angle position,  $y_{07}$  is an image height expressed by  $0.7 \times y_{10}$ , where  $y_{10}$  is a distance from the center to a point farthest therefrom on the effective imaging surface of an electronic image sensor, and  $\omega_{07w}$  is an angle made by a direction of an object point with an optical axis, where the object point corresponds to an image point that is at the  
15 point  $y_{07}$  away from the center on the effective imaging surface of the electronic image sensor at the wide angle position.